Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Masco Builder Cabinet Group
Facility Name:	Masco Builder Cabinet Group
Facility Location:	State Route 720 at Interstate 81, 1.5 miles southwest of Mount Jackson Shenandoah County, Virginia
Registration Number:	81062
Permit Number:	VRO81062

Effective Date	Expiration Date	Administrative Amendment Date
July 13, 2004	July 13, 2009	March 10, 2006

Administrative Amendment Date: March 7, 2008

Larry M. Simmons for
Regional Director

March 5, 2008
Signature Date

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I. Facility Information

Permittee
Masco Builder Cabinet Group
P. O. Box 1946
Adrian, Michigan 49221

Responsible Official
Nicholas A. Hearne
Plant Manager

Facility
Masco Builder Cabinet Group
P.O. Box 719
Mount Jackson, Virginia 22842

Contact Person
Jeff Schaefer
Safety and Environmental Coordinator
(540) 477-6237

County-Plant Identification Number: 51-171-0063

Facility Description: NAISC Code 337110 - Wood Kitchen Cabinet and Countertop Manufacturing

Masco manufactures wood cabinet components for kitchen and bath cabinets.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
B1	BS1	Industrial Wood-fired Boiler Model 3-3900-150-HRT (1987)	28.5 mm Btu/hr	Zurn Multicyclone	M1	PM PM-10	11/18/02, as amended 2/8/06
B2	BS2	Superior Boiler Works (1987)	14.7 mm Btu/hr	---	---	---	11/18/02, as amended 2/8/06
Woodworking Operations							
W1	BHS1	Miscellaneous Woodworking Equipment	Various	Pneumafil fabric filter Model 13.5-448-10	BH1	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS2	Miscellaneous Woodworking Equipment	Various	Pneumafil fabric filter Model 13.5-448-10	BH2	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS3	Miscellaneous Woodworking Equipment	Various	Pneumafil fabric filter Model 13.5-448-10	BH3	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS4	Miscellaneous Woodworking Equipment	Various	Pneumafil fabric filter Model 13.5-448-10	BH4	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS5	Miscellaneous Woodworking Equipment	Various	Pneumafil fabric filter Model 15-470-12	BH5	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS6	Miscellaneous Woodworking Equipment	Various	Waltz-Holst Fabric Filter Model 12-456-7045	BH6	PM PM-10	11/18/02, as amended 2/8/06
W1	BHS7	Waste Wood Loadout System	Various	Pneumafil fabric filter Model 11.5-316-8	BH7	PM PM-10	11/18/02, as amended 2/8/06

Finishing Operations							
F1	FS1-FS11, BHS8, OS1-OS26	One Stand Alone Hand Spray Booth and One Finishing Line Consisting of One Sap Stain Booth, Two Staining Booths, One Sealer Booth, and One Top Coat Spraying Booth with Drying Ovens and Microprocessor Controlled Automatic Spraying and Air-assisted Airless Spraying Guns	Various	Sealer Booth: Regenerative Thermal Oxidizer Spray booths: Water Wash and/or Dry Filter Automatic Sealer/Sander: Pneumafil Fabric Filter Model 8.5-156-10	F01-F06, BH8	RTO: VOC All Else: PM PM-10	11/18/02, as amended 2/8/06
Kilns							
DK1, DK2		Dry kilns		---	---	---	---

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements – Units B1 & B2

A. Limitations

1. Particulate emissions from the Industrial wood-fired boiler (Unit B1) shall be controlled by a multicyclone. The multicyclone shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 3 of 11/18/02 Permit as amended 2/8/06)

2. The approved fuels for the Industrial wood-fired boiler (Unit B1) are waste wood and sawdust. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 6 of 11/18/02 Permit as amended 2/8/06)

3. The approved fuels for the Superior boiler (Unit B2) are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396-78 "Standard Specification for Fuel Oils." A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 7 of 11/18/02 Permit as amended 2/8/06)

4. The average sulfur content of the oil to be burned in the Superior boiler (Unit B2) shall not exceed 0.34 percent by weight per shipment.
(9 VAC 5-80-110 and Condition 8 of 11/18/02 Permit as amended 2/8/06)

5. Emissions from the operation of the Industrial wood-fired boiler (Unit B1) shall not exceed the limits specified below:

Particulate Matter	0.25 lb/MMBtu	17.9 tons/yr
PM-10	0.25 lb/MMBtu	17.9 tons/yr
Sulfur Dioxide	0.26 lbs/hr	1.12 tons/yr
Nitrogen Oxides (as NO_2)	1.16 lbs/hr	5.06 tons/yr
Carbon Monoxide	6.80 lbs/hr	29.78 tons/yr
Volatile Organic Compounds	2.38 lbs/hr	10.42 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 4 of 11/18/02 Permit as amended 2/8/06)

6. Emissions from the operation of the Superior boiler (Unit B2) shall not exceed the limits specified below:

Particulate Matter	0.014 lb/MMBtu	0.93 tons/yr
Sulfur Dioxide	0.35 lb/MMBtu	22.42 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 5 of 11/18/02 Permit as amended 2/8/06)

7. Visible emissions from the Industrial wood-fired boiler stack (BS1) and the Superior boiler stack (BS2) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity. This condition applies at all times except during startup, shutdown, or malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 10 of 11/18/02 Permit as amended 2/8/06)

8. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110 and 9 VAC 5-50-20)

9. Except where this permit is more restrictive, Units B-1 and B-2 shall comply with the requirements of 40 CFR Part 63 Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boiler and Process Heaters) no later than three years after publication of the final rule in the Federal Register.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart DDDDD)

B. Monitoring

1. The permittee shall determine compliance with the annual particulate emission limits in Condition III.A.5 by using the following procedure:

   a. Calculate the average heat input capacity of the boiler based on the average steam production using the following formula:

$$C = \frac{SH}{E\,10^6}$$

.....Equation 1

C = computed average heat input capacity in million Btu per hour

S = steam production in pounds per hour

H = heat content of the wood in Btu per pound

E = boiler efficiency

b. Calculate the tons of particulate emitted based on the computed average heat input capacity, calculated above, using the following formula:

$$E = \frac{CLT}{2000}$$

.....Equation 2

E = the PM/PM-10 emissions in tons per month

C = computed average heat input capacity in million Btu per hour

L = particulate limit (0.25) in pounds per million Btu

T = time boiler in operation in hours per month

(9 VAC 5-80-110 and Attachment B of 11/18/02 Permit as amended 2/8/06)

2. The multicyclone shall be equipped with a device to continuously measure the differential pressure drop across the multicyclone. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.

   (9 VAC 5-80-110)

3. The permittee shall perform a visible emission observation of the Industrial wood-fired boiler stack (BS1) exhaust once each calendar week when the boiler is operating under normal conditions. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If during the evaluation, visible emissions (condensed water vapor/steam is not a visible emission) are observed, a visible emissions evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted. The VEE shall be conducted for a minimum period of six minutes. If any of the observations exceed the applicable opacity limit, the observation period shall continue until a total of 60 minutes of observation has been completed. A Method 9 evaluation shall not be required if the visible emissions condition is corrected in a timely manner such that no visible emissions are present; the emissions unit is operating at normal operating conditions; and the cause and corrective measures taken are recorded. If excess emissions are

expected for greater than one hour, DEQ malfunction procedures shall be implemented.

(9 VAC 5-80-110)

4. The permittee shall conduct an annual internal inspection on the multicyclone to ensure structural integrity.

   (9 VAC 5-80-110 and Condition 3 of 11/18/02 Permit as amended 2/8/06)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the oil was received,

   c. The volume of distillate oil delivered in the shipment,

   d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and

   e. The sulfur content (in weight percent) of the oil.

   (9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Valley Regional Office. These records shall include, but are not limited to:

   a. The monthly and annual throughput of natural gas (in million cubic feet) and distillate oil (in 1000 gallons) for the Superior boiler (Unit B2). The annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

   b. The DEQ-approved, pollutant specific emission factors and the equations used to demonstrate compliance with Condition III.A.5 and Condition III.A.6.

   c. All fuel supplier certifications, indicating sulfur content per shipment.

   d. The number of hours per day of operation of the Industrial wood-fired boiler (Unit B1).

e. The hourly steam pressure (in pounds) of the Industrial wood-fired boiler (Unit B1).

f. Multicyclone pressure drop readings recorded once every eight hours of boiler operation.

g. Industrial wood-fired boiler stack (BS1) weekly visible emission observation results including:

(1) The date, time, and name of person performing each visible emission observation;

(2) Whether or not visible emissions were observed; and

(3) EPA Method 9 (40 CFR Part 60, Appendix A) observation record, if applicable.

h. Multicyclone annual inspection results including:

(1) The date, time, and name of person performing each inspection;

(2) A list of the items inspected; and

(3) Any maintenance or repairs performed as a result of these inspections.

i. The monthly and annual cumulative emissions (in tons) of PM and PM-10 from the Industrial wood-fired boiler (Unit B1). The annual emissions shall be calculated monthly as the sum of each consecutive 12-month period. The emissions shall be calculated as described in Condition III.B.1.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years.
(9 VAC 5-50-50, 9 VAC 5-80-110, and Conditions 9 and 35 of 11/18/02 Permit as amended 2/8/06)

3. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training, and the nature of the training.

(9 VAC 5-80-110 and Condition 47 of 11/18/02 Permit as amended 2/8/06)

D. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Methods 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

IV. Process Equipment Requirements – Unit W1

A. Limitations

1. Particulate emissions from the woodworking equipment including the waste wood loadout system (Unit W1) shall be controlled by seven fabric filters (BH1-BH7). The fabric filters shall be provided with adequate access for inspection.
   (9 VAC 5-80-110 and Condition 11 of 11/18/02 Permit as amended 2/8/06)

2. All transfer of the collected material from the woodworking equipment (Unit W1) shall be controlled by a fabric filter and/or a completely enclosed transfer system.
   (9 VAC 5-80-110 and Condition 12 of 11/18/02 Permit as amended 2/8/06)

3. Fugitive particulate emissions from the collection and transferring of collected wood waste shall be controlled by complete enclosure.
   (9 VAC 5-80-110 and Condition 13 of 11/18/02 Permit as amended 2/8/06)

4. The annual throughput of wood for the manufacture of wood cabinets shall not exceed 38,325,000 board feet, calculated monthly as the sum of each consecutive 12-month period.
   (9 VAC 5-80-110 and Condition 15 of 11/18/02 Permit as amended 2/8/06)

5. Visible emissions from each fabric filter exhaust (BHS1-BHS7) shall not exceed five percent opacity as determined by EPA Method 9 (Reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
   (9 VAC 5-50-80, 9 VAC 5-80-110 and Condition 18 of 11/18/02 Permit as amended 2/8/06)

6. Visible emissions from any fugitive emission points shall not exceed ten percent opacity as determined by EPA Method 9 (Reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
   (9 VAC 5-50-80, 9 VAC 5-80-110 and Condition 19 of 11/18/02 Permit as amended 2/8/06)

7. Total emissions from the fabric filter exhausts (BHS1-BHS7) from the operation of the woodworking equipment (W1) shall not exceed the limits specified below:

Particulate Matter	0.0022 gr/dscf	31.63 tons/yr
PM-10	0.0022 gr/dscf	31.63 tons/yr

The tons/yr emissions are derived from the estimated overall emission contribution. Compliance with these limits shall be determined as stated in Condition IV.A.5.
(9 VAC 5-80-110 and Condition 17 of 11/18/02 Permit as amended 2/8/06)

8. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   b. Maintain an inventory of spare parts.

   c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

   d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110 and Condition 47 of 11/18/02 Permit as amended 2/8/06)

B. Compliance Assurance Monitoring (CAM)

1. Each fabric filter (BH1-BH7) shall be equipped with a device to continuously measure the differential pressure across the fabric filter. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the fabric filter is operating.

   (9 VAC 5-80-110 and Condition 14 of 11/18/02 Permit as amended 2/8/06)

2. The permittee shall conduct monitoring as specified in the Fabric Filter Compliance Assurance Monitoring (CAM) Plan (Attachment A) for the seven fabric filters (BH1-BH7).
   (9 VAC 5-80-110 and 40 CFR 64.6(c))

3. The permittee shall develop a Quality Improvement Plan (QIP) for the fabric filters (BH1- BH7) if more than three excursions from the indicator range specified in the

Fabric Filter Compliance Assurance Monitoring (CAM) Plan (Attachment A) occur within a two week period, according to 40 CFR 64.8.

(9 VAC 5-80-110 and 40 CFR 64.8)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Valley Regional Office. These records shall include, but are not limited to:

   a. The monthly and annual throughput of wood used for the manufacture of wood cabinets (in board feet). The annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

   b. Scheduled and non-scheduled maintenance on the air pollution control equipment as required by Condition IV.A.8.a.

   c. Training provided including names of trainees, date of training, and nature of training as required by Condition IV.A.8.d.

   d. Results of all stack tests and visible emission evaluations.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years.
   (9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 35 of 11/18/02 Permit as amended 2/8/06)

2. Documentation of monitoring required by the Fabric Filter CAM Plan (Attachment A), to include but not limited to:

   a. Daily visible emissions observation records for each fabric filter including date, time, and name of trained person performing each observation.

   b. Method 9 Visible Emissions Evaluation results.

   c. Monthly and annual inspection logs including date, time, and name of person performing each inspection, list of items inspected, bag filter condition, and any maintenance or repairs performed as a result of these inspections.

   d. Pressure drop records as specified in the CAM Plan.

   e. Record of all excursions, including date, time and corrective actions taken.

   (9 VAC 5-50-50 and 9 VAC 5-80-110)

D. Testing

1. The facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Test ports shall be provided at the appropriate locations located as required by the appropriate test method.
   (9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 16 of 11/18/02 Permit as amended 2/8/06)

2. Initial performance tests shall be conducted for particulate matter from the fabric filter (BH6) using EPA Method 5 (40 CFR Part 60, Appendix A) or other DEQ approved method to determine compliance with the emission limits contained in Condition IV.A.7. The tests shall be performed and demonstrate compliance within 120 days after startup of the fabric filter. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Director, Valley Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Director, Valley Regional Office, within 60 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-50-30 and 9 VAC 5-80-110)

3. Concurrently with the initial performance tests, visible emission evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall also be conducted by the permittee on the fabric filter (BH6). Each test shall consist of 30 sets of 24 consecutive observations (at 15 second intervals) to yield a six minute average. The details of the tests are to be arranged with the Director, Valley Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed and demonstrate compliance within 120 days after startup of the fabric filter. One copy of the test result shall be submitted to the Director, Valley Regional Office, 60 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-50-30 and 9 VAC 5-80-110)

4. Upon request by the DEQ, the permittee shall conduct additional visible emission evaluations from the fabric filter (BH6) to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Director, Valley Regional Office.

   (9 VAC 5-80-110 and Condition 41 of 11/18/02 Permit as amended 2/8/06)

5. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

Written reports containing the following information pertaining to the CAM Plan for the fabric filters (BH1- BH7) shall be submitted to the Director, Valley Regional Office, no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. Summary information on the number, duration, and cause (including unknown cause, if applicable) of excursions and the corrective actions taken;

2. A description of actions taken to implement a QIP during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the permittee shall include in the next summary report documentation that the plan has been completed and reduced the likelihood of similar levels of excursions.

The information listed above may be included in the reports required by Condition X.C.3. (9 VAC 5-80-110 and 40 CFR 64.9(a)(2))

V. Finishing Operation Requirements – Unit F1

A. Limitations

1. Particulate emissions from each spray booth (Unit F1) shall be controlled by either dry filters or a combination of water wash and dry filters. The water wash and the filters shall be provided with adequate access for inspection.

   (9 VAC 5-80-110 and Condition 20 of 11/18/02 Permit as amended 2/8/06)

2. Particulate emissions from the automatic sealer/sander (Unit F1) shall be controlled by a fabric filter baghouse (BH8). The baghouse shall be provided with adequate access for inspection.
   (9 VAC 5-80-110 and Condition 21 of 11/18/02 Permit as amended 2/8/06)

3. The permittee will continually seek new technology to include but not be limited to: selection and use of finishes with less photochemically reactive solvents, spraying equipment and techniques with improved transfer efficiencies and water-base coatings available to the industry.

   (9 VAC 5-80-110 and Condition 34 of 11/18/02 Permit as amended 2/8/06)

4. Volatile organic compound (VOC) emissions from the finishing operation shall be controlled by the use of lower VOC finishes and/or routing VOC emissions from the sealer booth to a regenerative thermal oxidizer (RTO). The RTO shall be provided with adequate access for inspection.

   (9 VAC 5-80-110 and Condition 22 of 11/18/02 Permit as amended 2/8/06)

5. The RTO shall maintain a destruction efficiency for VOC emissions of no less than 95.0 percent on a mass basis.

   (9 VAC 5-80-110 and Condition 23 of 11/18/02 Permit as amended 2/8/06)

6. The enclosure to the sealer booth shall have a capture efficiency of 95.0 percent as determined by an approved negative pressure enclosure procedure, or alternate methods as approved by DEQ.

   (9 VAC 5-80-110 and Condition 24 of 11/18/02 Permit as amended 2/8/06)

7. The RTO shall maintain a minimum combustion zone temperature equal to higher than that determined during the performance testing required by Condition V.C.2 and a residence time of at least 0.9 second. The minimum combustion zone temperature shall be calculated as a three-hour average. Details concerning the method of calculating the three-hour average combustion zone temperature shall be arranged with the Director, Valley Regional Office.

   (9 VAC 5-80-110 and Condition 25 of 11/18/02 Permit as amended 2/8/06)

8. The approved fuel for RTO is natural gas. A change in the fuel may require a permit to modify and operate.

   (9 VAC 5-80-110 and Condition 28 of 11/18/02 Permit as amended 2/8/06)

9. The total throughput of VOC to the finishing equipment (F1) shall not exceed the quantity as determined by the following equation:

   $$X + Y\ (1\text{-}OCE/100) \leq 533 \text{ tons}$$

   where:
   X = VOC throughput to uncontrolled finishing operations (tons)
   Y = VOC throughput to controlled sealer booth (tons)
   OCE = overall VOC control efficiency (capture & control ≥ 90%)

   Total VOC throughput shall be calculated monthly as the sum of each consecutive 12-month period. OCE shall be that determined in testing of capture system and RTO as required by Conditions V.A.6 and V.C.2, respectively.
   (9 VAC 5-80-110 and Condition 29 of 11/18/02 Permit as amended 2/8/06)

10. Emissions from the operation of the finishing equipment (F1) shall not exceed the limits specified below:

Particulate Matter	3.0 lbs/hr	13.0 tons/yr
PM-10	3.0 lbs/hr	13.0 tons/yr
Volatile Organic Compounds		533 tons/yr

    Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 30 of 11/18/02 Permit as amended 2/8/06)

11. Visible emissions from the RTO exhaust shall not exceed five percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

    (9 VAC 5-80-110 and Condition 32 of 11/18/02 Permit as amended 2/8/06)

12. Visible emissions from each finishing operation exhaust shall not exceed five percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

    (9 VAC 5-80-110 and Condition 33 of 11/18/02 Permit as amended 2/8/06)

13. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-80-110 and Condition 47 of 11/18/02 Permit as amended 2/8/06)

14. Authorization to modify the finishing line (F1) shall become invalid, unless an extension is granted by the DEQ, if:

a. A program of continuous installation is not commenced before the latest of the following:

(1) August 8, 2007;

(2) Nine months from the date that the last permit or other authorization was issued from any other governmental agency;

(3) Nine months from the date of the last resolution of any litigation concerning any such permit or authorization; or

b. A program of installation is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-110 and Condition 43 of 11/18/02 Permit as amended 2/8/06)

B. Monitoring and Recordkeeping

1. The permittee shall determine compliance with the VOC limit in Condition V.A.10. by calculating the VOC emissions as follows:

$$E = \sum_{i=1}^{n} \left[M_{ciu} W_{oi} + M_{cic} W_{oi} \left(1 - \frac{OCE}{100}\right) \right]$$

. . . . . Equation 3

E = the VOC emissions in pounds per time period

Mciu = the total mass (lb) of each finishing material (i) applied during each time period as determined from facility records in an uncontrolled setting.

Mcic = the total mass (lb) of each finishing material (i) applied during each time period as determined from facility records in a controlled setting.

Woi = the weight fraction of VOC applied of each finishing material (i) applied during each time period.

OCE = the overall VOC control efficiency.

Annual emissions shall be calculated as the sum of each consecutive 12-month period.
(9 VAC 5-80-110)

2. The dry filters and fabric filter baghouse (F01 - F06, BH8) shall be equipped with a device to continuously measure the differential pressure drop across the filters. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
(9 VAC 5-80-110)

3. The permittee shall perform an inspection of each finishing control device (F01 - F06, BH8) each day of spray booth operation. The inspections shall include a check of correct filter placement, filter condition, and observation of the pressure drop across the filters.
(9 VAC 5-80-110)

4. The RTO shall be equipped with a device to continuously measure and record the combustion zone temperature. The monitoring device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. The monitoring device shall be provided with adequate access for inspection and shall be in operation when the RTO is operating.
(9 VAC 5-80-110 and Condition 26 of 11/18/02 Permit as amended 2/8/06)

5. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of

such records shall be arranged with Director, Valley Regional Office. These records shall include, but are not limited to:

a. Material Safety Data sheets (MSDS) or other vendor information, including certified product data sheets, showing VOC content, water content, and solids content for each coating material, adhesive, thinner, or cleaning solution used.

b. A monthly and annual material balance including the throughput and emissions of VOC and particulate matter (PM) (in tons). Annual throughput and emissions shall be calculated as the sum of each consecutive 12-month period. PM emissions shall be based on the appropriate transfer efficiency and control efficiency. VOC emission calculations from the RTO exhaust shall reflect the control efficiency established during the most recent emission test that demonstrated compliance. Calculations shall also account for any VOC emissions from the bypass stack due to malfunctions.

c. The number of hours per day of operation of the finishing operation. Annual hours of operation shall be calculated monthly as the sum of each consecutive 12-month period.

d. Finishing control device inspection results including the date, time, and name of the person performing each inspection, whether or not filters were replaced, the pressure drop across each finishing control device (F01 - F06, BH8), and any maintenance or repairs performed as a result of these inspections.

e. Scheduled and non-scheduled maintenance on the air pollution control equipment as required by Condition V.A.13.a.

f. Training provided including names of trainees, date of training, and nature of training as required by Condition V.A.13.d.

g. An average hourly material balance including the throughput and emissions of PM. Average emissions shall be calculated and recorded monthly as the total amount of PM used within a calendar month divided by the total hours of operation of the finishing equipment (F1) to estimate a maximum hourly usage.

h. Hours of operation of sealer booth when RTO is in bypass or shutdown.

i. Annual throughput of VOC to the finishing line sealer booth, calculated as the sum of each consecutive 12-month period.

j. Annual throughput of VOC used on areas of the finishing line not controlled by RTO.

k. Average combustion temperatures recorded in the RTO, calculated hourly as an average of the previous three hours of data.

l. Monthly records of any three-hour period during which the combustion temperature of the RTO was below the average temperature observed during the most recent emission test that demonstrated compliance. The permittee shall record causes for any excursion, and corrective actions taken.

m. Maintenance and calibration records (calibrations, checks, and adjustments) for the RTO's combustion zone temperature monitoring device.

n. Results of all stack test and visible emissions observations and/or evaluations.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years.
(9 VAC 5-80-110 and Conditions 35 and 47 of 11/18/02 Permit as amended 2/8/06)

C. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations located as required by the appropriate test method.

   (9 VAC 5-80-110 and Condition 27 of 11/18/02 Permit as amended 2/8/06)

2. Initial performance tests shall be conducted for VOC emissions from the RTO to determine compliance with the capture and destruction efficiency requirements contained in Conditions V.A.5 and V.A.6. The results of the performance tests shall be used to establish appropriate operating parameter ranges for the RTO, including the minimum combustion zone temperature necessary to achieve the destruction efficiency contained in Condition V.A.5. Upon approval by DEQ, appropriate parameters based upon performance testing, to include minimum combustion zone temperature, shall be incorporated into Condition V.A.7 by reference. The tests shall be performed, and demonstrate compliance, within 60 days after start-up of the RTO. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. Control efficiency testing shall be conducted according to 40 CFR 60, Appendix A, Methods 25, 25A, or 25B. Capture efficiency testing shall be conducted according to an approved negative pressure enclosure procedure, or using alternative methods as approved by the Director, Valley Regional Office. The details of the tests are to be arranged with the Director, Valley Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Director, Valley Regional Office, with 45 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-80-110 and Condition 37 of 11/18/02 Permit as amended 2/8/06)

3. Concurrently, with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted by the permittee on the RTO exhaust. Each test shall consist of thirty sets of 24 consecutive observations (at 15 second intervals) to yield a six minute average. The details of the tests are to be arranged with the Director, Valley Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Should conditions prevent concurrent opacity observations, the Director, Valley Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. One copy of the test results shall be submitted to the Director, Valley Regional Office, 45 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-80-110 and Condition 38 of 11/18/02 Permit as amended 2/8/06)

4. The permittee shall perform an initial visible emissions survey of the finishing operation stacks. The observation period for the group of stacks shall last for one hour. For each finishing operation stack that exhibits visible emissions during the observation period, a Visible Emissions Evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted. Each VEE shall consist of ten sets of 24 consecutive observations (at 15 second intervals) to yield a six minute average. The details of the tests are to be arranged with the Director, Valley Regional Office. The visible emission observation and VEE, if necessary, shall be performed within 60 days after permit issuance. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Director, Valley Regional Office, 45 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-80-110 and Condition 39 of 11/18/02 Permit as amended 2/8/06)

5. Following completion of the initial stack testing, the permittee shall perform additional performance tests on a biennial basis to demonstrate compliance with the VOC emission limit and control efficiency requirements contained in Conditions V.A.5 and V.A.10. If two consecutive performance tests demonstrate compliance with the VOC emission limit and the control efficiency requirement, the permittee may request a revised testing schedule no less frequent than once each five-year period. The details for the tests shall be arranged with the Director, Valley Regional Office.

   (9 VAC 5-80-110 and Condition 40 of 11/18/02 Permit as amended 2/8/06)

6. Upon request by the DEQ, the permittee shall conduct additional visible emission evaluations from the fabric filter (BH8) and the finishing operations exhausts to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Director, Valley Regional Office.

   (9 VAC 5-80-110 and Condition 41 of 11/18/02 Permit as amended 2/8/06)

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC	EPA Methods 24, 24a
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

D. Reporting

1. The permittee shall submit a quarterly report to the Director, Valley Regional Office, in accordance with the following schedule:

Time Period Covered by Report	Report Due Date
January 1 – March 31	June 1
April 1 – June 30	September 1
July 1 – September 30	December 1
October 1 – December 31	March 1

The reports due on March 1 and September 1 shall be submitted with the semi-annual report required by Condition X.C.3.
(9 VAC 5-80-110 and Condition 36 of 11/18/02 Permit as amended 2/8/06)

2. Each quarterly report shall document the following:

   a. The monthly and annual throughput (in gallons), density, and percent VOC by weight of each stain, sealer, top coats, touch-up finish, and clean-up solvent used by the facility.

   b. The monthly and annual emissions (in pounds) of VOC from the finishing operation as calculated in Condition V.B.1.

   (9 VAC 5-80-110 and Condition 36 of 11/18/02 Permit as amended 2/8/06)

3. The permittee shall submit a status report with the semi-annual report required by Condition X.C.3 addressing each emerging technology.
   (9 VAC 5-80-110 and Condition 34 of 11/18/02 Permit as amended 2/8/06)

E. Notifications

1. The permittee shall furnish written notification to the Director, Valley Regional Office:

   a. The actual start-up date of the RTO within 15 days after such date.

   b. The anticipated date of the performance tests of the RTO postmarked at least 30 days prior to such date.

   c. The anticipated date of the VEE for the finish operation exhausts, postmarked at least 30 days prior to such date.

(9 VAC 5-80-110 and Condition 42 of 11/18/02 Permit as amended 2/8/06)

2. The permittee shall furnish written notification to the Director, Valley Regional Office:

   d. The actual start-up date of the fabric filter (BH6) within 15 days after such date.

   e. The anticipated date of the stack test and VEE of the fabric filter (BH6) postmarked at least 30 days prior to such date.

(9 VAC 5-80-110)

VI. Dry Kiln Requirements – Units DK1 & DK2

A. Applicability

The following terms and conditions are the requirements of 40 CFR Part 63 Subpart DDDD, National Emission Standards for Hazardous Pollutants: Plywood and Composite Wood Products. A current copy of 40 CFR Part 63 Subpart DDDD has been attached. As used in this section, all terms shall have the meaning as defined in 40 CFR 63.2 and 40 CFR 63.2292. The effective date of this section is three years after the effective date of the Subpart DDDD.
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR Part 63 Subpart DDDD)

B. Notifications

Initial notification shall be provided for 40 CFR 63 Subpart DDDD (Plywood and Composite Wood Products NESHAP) no later than 120 days after the effective date of Subpart DDDD. Notification shall be submitted to the Director, Valley Regional Office. A copy of the notification shall be provided to EPA Region III, at the following address:

EPA Region III
Attn: Plywood and Composite Wood Products Coordinator
Air Enforcement Branch
3AP12
1650 Arch Street
Philadelphia PA 19103

Each notification shall provide the following information:

(1) The name and address of the owner or operator;

(2) The address (i.e., physical location) of the affected source

(3) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

(4) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and

(5) A statement of whether the affected source is a major source or an area source.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.2280(b))

VII. Facility Wide Conditions for Hazardous Air Pollutant Emissions

The following terms and conditions are from 40 CFR Part 63 Subpart JJ. A current copy of 40 CFR Part 63 Subpart JJ has been attached. As used in this section, all terms shall have the meaning as defined in 40 CFR 63.2 and 40 CFR 63.801.

A. Limitations

1. Volatile Hazardous Air Pollutant (VHAP) emissions from the facility shall not exceed the following limits:

   a. For finishing operations use any of the following methods:

      (1) Achieve a weighted average VHAP content across all coatings of 1.0 lb VHAP/lb solids, as applied;

      (2) Use compliant finishing materials that meet the following specifications:

         (a) Each sealer and topcoat has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (b) Each stain has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (c) Each thinner contains no more than 10.0 percent HAP by weight except where excluded by (e) of this sub-section. For purposes of calculating thinner content of this section, VHAP equals HAP;

         (d) Each washcoat, basecoat, and enamel that is purchased pre-made, that is, it is not formulated onsite by thinning another finishing material, has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (e) Each washcoat, basecoat, and enamel that is formulated onsite is formulated using a finishing material containing no more than 1.0 lb VHAP/lb solids and a thinner containing no more than 3.0 percent HAP by weight;

      (3) Use any combination of averaging and compliant coatings such that no greater than 1.0 lb of VHAP being emitted per lb of solids used;

   b. For cleaning operations strippable spray booth coatings shall be used that contain no more than 0.8 lb VOC/lb solids, as applied;

c. Compliant contact adhesives shall be used based on the following criteria:

(1) For aerosol adhesives, as well as hot melt, PVA, and urea-formaldehyde adhesives, and for contact adhesives applied to nonporous substrates there is no limit on the VHAP content of these adhesives;

(2) For foam adhesives used in products that meet flammability requirements the VHAP content can be no more than 1.8 lb VHAP/lb solids, as applied;

(3) For all other contact adhesives the VHAP content can be no more than 1.0 lb VHAP/lb solids, as applied.

(9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.802)

2. The permittee shall develop and implement the following work practice standards:

a. Work practice implementation plan - The permittee shall prepare and maintain a written work practice implementation plan that defines environmentally desirable work practices for the finishing and gluing operations and addresses each of the work practice standards presented in Conditions b. through l. that follow. The plan shall be developed no more than 60 days after the compliance date. The written work practice implementation plan shall be available for inspection by the Administrator upon request. If the Administrator determines that the work practice implementation plan does not adequately address each of the topics specified in 40 CFR 63.803 or that the plan does not include sufficient mechanisms for ensuring that the work practice standards are being implemented, the Administrator may require the permittee to modify the plan. Revisions or modifications to the plan do not require a revision of the source's Title V permit.

b. Operator training course - The permittee shall train all new and existing personnel, including contract personnel, who are involved in finishing, gluing, cleaning, and washoff operations, use of manufacturing equipment in these operations, or implementation of the requirements of 40 CFR Part 63 Subpart JJ. All new personnel shall be trained upon hiring. All existing personnel shall be trained within six months of the compliance date. All personnel shall be given refresher training annually. The permittee shall maintain a copy of the training program with the work practice implementation plan. The training program shall include, at a minimum, the following:

(1) A list of all current personnel by name and job description that are required to be trained;

(2) An outline of the subjects to be covered in the initial and refresher training for each position or group of personnel;

(3) Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes; and

(4) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

c. Inspection and maintenance plan - The permittee shall prepare and maintain with the work practice implementation plan a written leak inspection and maintenance plan that specifies:

(1) A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic HAP solvents;

(2) An inspection schedule;

(3) Methods for documenting the date and results of each inspection and any repairs that were made;

(4) The time frame between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:

(a) A first attempt at repair (e.g., tightening of packing glands) shall be made no later than five calendar days after the leak is detected; and

(b) Final repairs shall be made within 15 calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs shall be completed within three months.

d. Cleaning and washoff solvent accounting system - The permittee shall develop an organic HAP solvent accounting form to record:

(1) The quantity and type of organic HAP solvent used each month for washoff and cleaning, as defined in 40 CFR 63.801;

(2) The number of pieces washed off, and the reason for the washoff; and

(3) The quantity of spent organic HAP solvent generated from each washoff and cleaning operation each month, and whether it is recycled onsite or disposed offsite.

e. Chemical composition of cleaning and washoff solvents - The permittee shall not use cleaning or washoff solvents that contain any of the pollutants listed in Table

4 of 40 CFR Part 63 Subpart JJ, in concentrations subject to MSDS reporting as required by OSHA.

f. Spray booth cleaning - The permittee shall not use compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, or plastic filters, unless the spray booth is being refurbished. If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the permittee shall use no more than 1.0 gallon of organic HAP solvent per booth to prepare the surface of the booth prior to applying the booth coating.

g. Storage requirements - The permittee shall use normally closed containers for storing finishing, gluing, cleaning, and washoff materials.

h. Application equipment requirements - The permittee shall use conventional air spray guns to apply finishing materials only under any of the following circumstances:

(1) To apply finishing materials that have a VOC content no greater than 1.0 lb VOC/lb solids, as applied;

(2) For touchup and repair under the following conditions:

(a) The touchup and repair occurs after completion of the finishing operation; or

(b) The touchup and repair occurs after the application of stain and before the application of any other type of finishing material, and the materials used for touchup and repair are applied from a container that has a volume of no more than 2.0 gallons.

(3) When spray is automated, that is, the spray gun is aimed and triggered automatically, not manually;

(4) When emissions from the finishing application station are directed to a control device;

(5) The conventional air gun is used to apply finishing materials and the cumulative total usage of that finishing material is no more than 5.0 percent of the total gallons of finishing material used during that semiannual period; or

(6) The conventional air gun is used to apply stain on a part for which it is technically or economically infeasible to use any other spray application technology. The permittee shall demonstrate technical or economic

infeasiblity by submitting to the Administrator a videotape, a technical report, or other documentation that supports the permittee's claim of technical or economic infeasibility. The following criteria shall be used, either independently or in combination, to support the permittee's claim of technical or economic infeasibility:

(a) The production speed is too high or the part shape is too complex for one operator to coat the part and the application station is not large enough to accommodate an additional operator; or

(b) The excessively large vertical spray area of the part makes it difficult to avoid sagging or runs in the stain.

i. Line cleaning - The permittee shall pump or drain all organic HAP solvent used for line cleaning into a normally closed container.

j. Gun cleaning - The permittee shall collect all organic HAP solvent used to clean spray guns into a normally closed container.

k. Washoff operations - The permittee shall control emissions from washoff operations by:

(1) Using normally closed tanks for washoff; and

(2) Minimizing dripping by tilting or rotating the part to drain as much solvent as possible.

l. Formulation assessment plan for finishing operations - The permittee shall prepare and maintain with the work practice implementation plan a formulation assessment plan that:

(1) Identifies VHAP from the list presented in Table 5 of 40 CFR Part 63 Subpart JJ that are being used in finishing operations;

(2) Establishes a baseline level of usage for each VHAP identified. The baseline usage level shall be the highest annual usage from 1994, 1995, or 1996, for each VHAP identified, except for formaldehyde and styrene which shall be determined as specified by 40 CFR 63.803 (l)(2). For VHAPs that do not have a baseline, one will be established according to Condition (6) below.

(3) Tracks the annual usage of each VHAP identified in (l)(1), above, that is present in amounts subject to MSDS reporting as required by OSHA.

(4) If the annual usage of the VHAP identified exceeds its baseline level, then the permittee shall provide a written notification to the Director, Valley Regional

Office that describes the amount of the increase and explains the reasons for exceedance of the baseline level. The following explanations would relieve the owner or operator from further action, unless the affected source is not in compliance with any State regulations or requirements for that VHAP:

(a) The exceedance is no more than 15.0 percent above the baseline level;

(b) Usage of the VHAP is below the de minimis level presented in Table 5 of 40 CFR Part 63 Subpart JJ for that VHAP;

(c) The affected source is in compliance with its State's air toxic regulations or guidelines for the VHAP; or

(d) The source of the pollutant is a finishing material with a VOC content of no more than 1.0 lb VOC/lb solids, as applied.

(5) If none of the explanations listed in (4) above are the reason for the increase, the permittee shall confer with the Director, Valley Regional Office, to discuss the reason for the increase and whether there are practical and reasonable technology-based solutions for reducing the usage. The evaluation of whether a technology is reasonable and practical shall be based on cost, quality, and marketability of the product, whether the technology is being used successfully by other wood furniture manufacturing operations, or other criteria mutually agreed upon by the Director, Valley Regional Office, and the owner or operator. If there are no practical and reasonable solutions, the facility need take no further action. If there are solutions, the owner or operator shall develop a plan to reduce the usage of the pollutant to the extent feasible. The plan shall address the approach to be used to reduce emissions, a timetable for implementing the plan, and a schedule for submitting notification of progress.

(6) If the permittee uses a VHAP of potential concern listed in Table 6 of 40 CFR Part 63 Subpart JJ for which a baseline level has not been previously established, then the baseline level shall be established as the de minimis level provided in that same table for that chemical. The permittee shall track the annual usage of each VHAP of potential concern identified that is present in amounts subject to MSDS reporting as required by OSHA. If usage of the VHAP of potential concern exceeds the de minimis level listed in Table 6 of 40 CFR Part 63 Subpart JJ for that chemical, then the permittee shall provide an explanation to the Director, Valley Regional Office, that documents the reason for the exceedance of the de minimis level. If the explanation is not one of those listed in (4) above, the affected source shall follow the procedures established in (5) above.

(9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.803(a)-(l))

3. The permittee shall meet the following operation and maintenance requirements:

   a. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by all relevant standards.

   b. Malfunctions shall be corrected as soon as practicable after their occurrence.

   c. Operation and maintenance requirements established pursuant to Section 112 of the Clean Air Act are enforceable independent of emissions limitations or other requirements in relevant standards.

   d. Determination of whether operation and maintenance procedures are being used will be based on information available to the DEQ which may included, but is not limited to, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

   (9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.6(e))

B. Monitoring

Continuous compliance with the VHAP emissions limits shall be determined as follows:

1. For finishing operations when averaging is being used to show continuous compliance, the permittee shall submit the results of the averaging calculation (Equation 4) for each month within that semiannual period and submitting a compliance certification with the semiannual report. The compliance certification shall state that the value of (E), as calculated by Equation 4 below, is no greater than 1.0. The facility is in violation of the standard if E is greater than 1.0 for any month. A violation of the monthly average is a separate violation of the standard for each day of operation during the month, unless the affected source can demonstrate through records that the violation of the monthly average can be attributed to a particular day or days during the period.

$$E = (M_{c1}C_{c1} + M_{c2}C_{c2} + ... + M_{cn}C_{cn} + S_1W_1 + S_2W_2 + ... \ S_nW_n)/(M_{c1} + M_{c2} + ... + M_{cn})$$

.....Equation 4

E = the emission limit achieved by an emission point or a set of emission points, in lb VHAP/lb solids.
Mc = the mass of solids in a finishing material or coating (c) used monthly, including exempt finishing materials and coatings, lb solids/month.
Cc = the VHAP content of a finishing material or coating (c), in pounds of VHAP per pound of coating solids.
S = the VHAP content of a solvent, expressed as a weight fraction, added to finishing materials or coatings.
W = the amount of solvent, in pounds, added to finishing materials and coatings during the monthly averaging period.

The Emission Limit (E in lb VHAP / lb solids) equals the sum, for all finishing materials and coatings, of the mass of solids in each material used within that month (Mc in lb solids / month) multiplied by the VHAP content in each material (Cc in lb VHAP / lb solids) plus the sum, for all solvents, of the mass of solvent used monthly (W in lb solvent / month) multiplied by the weight fraction of VHAP in the solvent (S in lb VHAP / lb solvent), with this total being divided by the sum, for all finishing materials and coatings, of the mass of solids in each finishing material and coating used within that month (Mc in lb solids / month).

2. For finishing operations when compliant coatings are being used to show continuous compliance, the permittee shall use compliant coatings and thinners, maintain records that demonstrate the finishing materials and thinners are compliant, and submit a compliance certification with the semiannual report which states that compliant stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners, as stated in Condition VII.A.1, have been used each day in the semiannual reporting period or should otherwise identify the periods of noncompliance and the reasons for noncompliance. The facility is in violation of the standard whenever a noncompliant coating, as demonstrated by records or by a sample of the coating, is used.

3. For contact adhesive operations when compliant adhesives are being used to show compliance, the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that compliant contact and/or foam adhesives have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant contact and/or foam adhesives were used. Each day a noncompliant contact or foam adhesive is used is a single violation of the standard.

4. For strippable spray booth coatings the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that compliant strippable spray booth coatings have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant materials were used. Each day a noncompliant strippable booth coating is used is a single violation of the standard.

5. For work practice standards the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that the work practice implementation plan is being followed, or should otherwise identify the provisions of the plan that have not been implemented and each day the provisions were not implemented. During any period of time that the permittee is required to implement the provisions of the plan, each failure to implement an obligation under the plan during any particular day is a violation and the Administrator may require the permittee to modify the plan (see Condition VII.A.2.a).

(9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.804(g) & 40 CFR 63.8)

C. Recordkeeping

The permittee shall maintain records of the following:

1. For emission limit purposes, the permittee shall maintain the following:

    a. A certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in Condition VII.A.1,

    b. The VHAP content, in lb VHAP/lb solids, as applied, of each finishing material and contact adhesive subject to the emission limits in Conditions VII.A.1.a and VII.A.1.c; and

    c. The VOC content, in lb VOC/lb solids, as applied, of each strippable booth coating subject to the emission limits in Condition VII.A.1.b.

2. Following the averaging method the permittee shall maintain copies of the averaging calculation for each month following the compliance date, as well as the data on the quantity of coatings and thinners used that is necessary to support the calculation of E in Equation 4 (as defined in Condition VII.B.1).

3. The permittee shall maintain onsite the work practice implementation plan and all records associated with fulfilling the requirements of that plan, including, but not limited to:

    a. Records demonstrating that the operator training program required by Condition VII.A.2.b is in place;

    b. Records collected in accordance with the inspection and maintenance plan required by Condition VII.A.2.c;

    c. Records associated with the cleaning solvent accounting system required by Condition VII.A.2.d;

    d. Records associated with the limitation on the use of conventional air spray guns showing total finishing material usage and the percentage of finishing materials applied with conventional air spray guns for each semiannual period required by Condition VII.A.2.h;

    e. Records associated with the formulation assessment plan required by Condition VII.A.2.l; and

    f. Copies of documentation such as logs developed to demonstrate that the other provisions of the work practice implementation plan are followed.

4. The permittee shall maintain records of the compliance certifications submitted for each semiannual period following the compliance date.

5. The permittee shall maintain records of all other information submitted with the compliance status report and the semiannual reports.

6. The permittee shall maintain files of all information (including all reports and notifications) required, recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

   (9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.806 & 63.10(b)(1))

D. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method
Hazardous Air Pollutants (HAPs)	40 CFR Part 63, Appendix A, EPA Method 311
Solids Content & Density of Coatings	40 CFR Part 60, Appendix A, EPA Method 24

(9 VAC 5-80-110)

E. Reporting

1. Each time a notification of compliance status is required (see Condition X.C), the permittee shall submit to the Director, Valley Regional Office, a notification of compliance status, signed by a responsible official of the company that owns or operates the facility who shall certify its accuracy, attesting to whether the source has complied with 40 CFR Part 63 Subpart JJ. The notification shall list:

   a. The methods that were used to determine compliance;

   b. The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

   c. The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

d. The type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times and in accordance with the test methods specified;

e. An analysis demonstrating whether the facility is a major source or an area source (using the emissions generated for this notification);

f. A statement by the permittee as to whether the facility has complied with Subpart JJ as expressed in this permit.

Copies of each notification shall be sent to:

U. S. EPA Region III
Air Protection Division (3AP00)
ATTN: Wood Furniture NESHAP Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.9(h))

2. Reporting not otherwise required by this permit shall consist of the following:

a. The permittee when demonstrating continuous compliance shall submit a report covering the previous six months of wood furniture manufacturing operations (see Condition X.C.3):

(1) Reports shall be submitted no later than March 1 and September 1 of each calendar year.

(2) The semiannual reports shall include the information required by Condition VII.B, a statement of whether the facility was in compliance or noncompliance, and, if the facility was in noncompliance, the measures taken to bring the facility into compliance.

b. The permittee, when required to provide a written notification by Condition VII.A.2.l.(4) for exceedance of a baseline level [40 CFR 63.803(1)(4)], shall include in the notification one or more statements that explains the reasons for the usage increase. The notification shall be submitted no later than 30 calendar days after the end of the annual period in which the usage increase occurred.

Copies of reports shall be submitted to the U.S. Environmental Protection Agency at the address given in Condition VII.E.1.
(9 VAC 5-170-160, 9 VAC 5-80-110, and 40 CFR 63.807 & 63.10(d))

VIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
PW1, PW2, PW3	Parts Washers	9 VAC 5-80-720 B	VOC	---
G1	Gluing (water-based glues)	9 VAC 5-80-720 B	VOC	---

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

IX. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed in compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
	None identified by the applicant	

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

X. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant to section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Valley Regional Office, within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition X.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the Director, Valley Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Valley Regional Office.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on

information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

   (9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)